

# DX News

Since 1933. We know radio.

Volume 59, No. 4 - October 28, 1991 (ISSN 0737-1659)



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### CPC Test ...

**KCRV-1370** - P. O. Box 9 - Carruthersville, MO 63680 will present a special DX Test Monday morning October 28 at 0615 ELT. The test will include tones, music, Morse code, and voice. Arranged for the NRC by the Colorado CPC Machine.

The CPC treasury is at an all-time low! After sending out 60 letters, we are in need of your stamps/checks (made payable to Jeff Tynan) to continue sending out letters for the first half of the DX season. Please send your contributions to Jeff Tynan - 10359 Severance Drive - Parker, CO 80134.

**From the Publisher ...** As I type this up Sunday evening, October 20, Wayne hasn't called with any news of forthcoming CPC tips, so I think I can assume that we are running behind last year's record CPC schedule. Be sure to send both tips and \$\$ to Jeff.

Emie Wesolowski is announcing his annual answer to the Emmy Awards in the form of his production of the 1991 convention, on VHS T-130 tape, lasting 4 hours and 20 minutes. Not only does it contain highlights of the convention, but also shots of WHOT, WOWO, WLW, and the Bethany Relay of the VOA and NRC's antennas and radios at the convention. Your cost is \$20; send your check (made out to the National Radio Club) to NRC publications, or call in your credit card order (see p. 23 for the phone number). The NRC receives 25% of the proceeds of the sale of this tape.

Don't panic - AM Switch didn't get lost in the mail! Jerry's just on vacation this week, and AM Switch should return next week.

A reminder ... it takes at least four weeks for your address change to take effect, if you send it to the correct address. If you send it to Topeka, you can add another week to that time, as the publisher has to forward it. Where does it go to? Just check out the back cover - complete details are included there!

**Clippings ...** Newspaper clippings concerning the radio industry are always welcome. Send clippings concerning format changes to Tony Fitzherbert (see p.

15), about changes in the status of AM stations to Jerry Starr (c/o WHOT Radio - 4040 Simon Road - Youngstown, OH 44512-1320); other industry news to Laura McCusker - c/o WROW - 341 Northern Blvd. - Albany, NY 12204; and news of radio personalities to Pete Kemp - P. O. Box 73 - Bethel, CT 06801-2203. Other clippings of general interest should go to the publisher.

Don't forget Ray Arruda's "Lower Deck" GTG on November 30 at 47 Burb St. - Achushnet, MA, starting around noon. All DX'ers are welcome.

**They joined ...** Eric Cooper, KB6VPI - Lake Forest, CA; Frank W. Moseley, III - Dothan, AL; and Bryce A. Carric, WD4JQD - Asheboro, NC.

And that's it for now. Please - support your NRC by contributing to your choice of columns or activities. 73.

## DX Time Machine

### From the pages of DX News

**50 years ago ...from the Oct. 25, 1941 DXN:** Eric Bristow, Chicago, IL, reported hearing a baseball game in Spanish from YV5RI, Caracas, Venezuela, between 3 and 4 am on Oct. 18.

**25 years ago ... from the Oct. 31, 1966 DXN:** Morris Sorenson, Elmsdale, ON, sent in his first Musing, reporting having logged 202 stations from Elmsdale ... George Santulli, Cranford, NJ lost an antenna due to men working in trees ... Ernie Cooper typed 34 Musings to the Members in this issue, including his own.

**10 years ago ... from the Oct. 26, 1981 DXN:** Ernie had to type up 26 Musings in this issue ... Mark Connelly's article, "Phasing Unit Design Modification", appeared in this issue ... treasurer Dick Truax's annual report showed a net worth of \$7846.86 for the NRC.

# Domestic DX Digest - East

DX Catches in the Eastern U. S. and Canada, with 24-hr. ELT

William Hale

734 Bursleson  
San Marcos, TX 78666-4335

## MEDIUM WAVE RAMBLINGS

- Welcome to new reporters Jim Bagge out of Springfield, Massachusetts and Jim Cross from Dayton, Ohio. Good reports, guys. Keep 'em coming!
- I'm back from my unexpected trip. Hopefully, things have returned to normal here at "DX Central". I know several of these reports should have been in last week's issue, but ya gotta do what you gotta do. Keep those cards and letters coming, and let the membership know what you've been hearing on the old medium-wave band. We have a wonderful turnout for so early in the season. But some have commented that the "season is well underway". Must've been someone in Manitoba, hi.

## SPECIAL

- 530 CIAO ON BRAMPTON - 9/28 1950 fair - good with local ads & phone number in ?? language, then ads in EE; CIAO ID; ex:790; new for us (VAL-DX)
- CIAO ON BRAMPTON - 9/30 0730 1st noted on new frequency w/usual ethnic programs, traffic report in EE; running | on both 530 and old 790 during week of 9/30 - 10/4 (MB-ON)
- CIAO ON BRAMPTON - 10/1 on this frequency day and night; guess CJFT has finally gone to FM (DT-ON)
- 560 WEAZ PA PHILADELPHIA - now running satellite-delivered beautiful mx, IDing as WISH 560 but legal ID as WEAZ-AM at :00; in C-Quam Stereo; NSP sked still (DS-DE)
- 790 CIAO ON BRAMPTON - 10/1 still here, so is same deal as CJMR was; will stay until listeners learn to get it on 530 (DT-ON)
- 1100 WLBB GA CARROLLTON - 9/27 1828 hrd broadcasting WSB-TV Atlanta Channel 2 6:00 news audio; Country 11, WLBB slogan (KVJ-GA)
- 1250 WKBR NH MANCHESTER - 9/30 2200 this one is back on the air, simulcasting WWNH-1340 Madbury; hrd with IDs for both and Love Radio slogan; REL (BC-NH)
- 1280 WSPR MA SPRINGFIELD - OFF THE AIR in early September due to bankruptcy (JB-MA)
- 1300 WJFK MD BALTIMORE - 10/3 0902 Infinity Broadcasting has begun 100% simulcasting with legal-sounding ID of their WJFK-FM 106.7 Manassas, which now features (as of 10/2), the former Morning Zoo team (Don Geronimo and Mike O'Meara) of WAVA-FM 105.1 Arlington; they anchor afternoon drivetime while Howard Stern's morning network now brings live spankings and cup size from NY's K-Rock to Philadelphia to Manassas (SW of Washington); most of the time (during non-drivetimes) it's classic rock (WN-MD)
- 1310 WYND FL DE LAND - 9/28 2203 is now REL per sign-off . . . The very best in religious programming, WYND, good (JPC-OH)
- 1390 WXTC SC CHARLESTON - 10/2 simulcasts with and IDs as: FM 97 (JPC-OH)
- 1500 WTOP DC WASHINGTON - noted OFF at 0048 (DS-DE)
- 1600 WIXY MA EAST LONGMEADOW - now simulcasting with FMer WAQY with Wacky 102 slogans (JB-MA)

AM 1230



## UNIDS AND UNID HELP

- 990 UNID ?? - 9/29 0201 fair, over/under CKIS in WIVK null; with JAZ/BBD/EZL mx, no ID hrd; faded at 0220; best on east wire or north wire (VAL-DX)
- 1280 UNID ?? - 9/28 2121-2130 Georgia Tech vs Clemson FB game; ads for BC Pain Pills, The South's #1 Headache Powder, jx at 2130, W????, faded; fair under WADO (TC-NY)
- 1530 UNID ?? - 9/24 1945 mentioned Country Gold and 5000 watts (JB-MA)

- 1560 UNID ?? - unID by DS-TN (Issue 30) can't be KMPG as they changed CLs to KNZR two years ago and are not on the ARN-Sports Final net (TH-CA)
- 1580 KCWW AZ TEMPE - log of JH-PA can't be this (Issue 30) as AZ does not observe DST except on Indian reservations, so 5:12 ELT would be 2:12 AM MST; not 3:12 (TH-CA)
- 1590 UNID ?? - unID by YE Editor in Issue 30 sounds a bit like XEVOX (Isn't it VOZ? - Ed.); format matches but slogan is Capital Radio, not Radio Capital (TH-CA)
- UNID ?? - 10/3 0119-0121 announcement for the Family Bible Center, Edmonston Ave., 455-0678 (TC-NY)

## DX AND EQUIPMENT TESTS

- 1560 WMOM MD LAPLATA - 9/30 0125 & 0136 This is WMOM, Laplata, conducting a test; brief spurts of hard rock; when hrd, overwhelmed WPAD (TC-NY)

## TIS AND OTHER STUFF

- 1280 CFYZ ON TORONTO - 10/30 0745 Pearson Int'l Airport TIS; good with usual EE and FF airport info, a very unusual TIS frequency; are there any other TISs that are not on 530, 1610 or 1620? (MB-ON)

## SCHEDULES

- 1360 WVSJ NJ WASHINGTON TOWNSHIP - 0600-1900 Mon-Fri; 0600-2400 Sat; 0600-1830 Sun; subject to change pending night remotes (DS-DE)
- 1590 WCZN PA CHESTER - 0600-2100 Mon, Tues, Wed, Fri, Sun; 0600-2400 Thurs, Sat; that should keep Ben D. happy! (DS-DE)

## MIDNIGHT TO 0800 HOURS ELT

- 550 KOY AZ PHOENIX - 10/5 0030-0100 Dodgers-Giants BB with KTSA and KUSA; they still use 1000 watts at night? (BS-NE) [According to the NRC Log, they're U1 5000 1000 - Ed.]
- KTSA TX SAN ANTONIO - 10/5 0030-0100 with Larry King Show with Jim Bohannon hosting; KOY and KUSA mixing in (BS-NE)
- 650 WSM TN NASHVILLE - 9/27 0520-0600 Opryland Radio; A service of Opryland USA; C&W mx, morning nx (TB-OH)
- 810 KGO CA SAN FRANCISCO - 9/29 0515 tk with female host: Three fifteen KGO Talk Radio 810, ?\_?\_ Olsen - 441-8255 or 1-800-154-TALK; good for N/S pattern (JB-TX)
- 820 WBAP TX FT. WORTH - 9/15 0200-0306 very faint with C&W mx, wx (TB-OH)
- CHAM ON HAMILTON - 9/15 0300-0340 faint with C&W mx; mixing with WBAP (TB-OH)
- 830 CFKR ON BROCKVILLE - 9/23 0001 very strong with OLD, ID; way over WWMO; did not switch to night pattern; automated at night! (DS-DE)
- 920 WKRT NY CORTLAND - 9/29 0042-0055 The best oldies on the radio, Kool Gold, WKRT, 920 AM, your oldies station, WKRT; good (TC-NY)
- 950 WWJ MI DETROIT - 9/29 0120-0122 race results; WWJ news time; poor under WPEN (TC-NY)
- 980 WYFN TN NASHVILLE - 10/6 0055 fair with REL mx and ID (RK-IL)
- 990 WIVK TN KNOXVILLE - 9/23 0600 with news; fair under WNTY/others (JB-CT)
- 1090 CKKW ON KITCHENER - 9/22 0021 good with AM 109 ID (JPC-OH)
- 1130 KFAN MN MINNEAPOLIS - 10/2 0005 fair with sports call-in show; in WHAM null (JPC-OH)
- 1180 WJFF RI WAKEFIELD/HOPE VALLEY - 9/30 0735-0755 WJFF: Your number one country station; ad for Richard and Michael's Insurance and Real Estate; fair under WHAM (TC-NY)
- 1190 WOWO IN FORT WAYNE - 9/27 0750-0830 Fort Wayne's Oldies Giant and The Good Morning Team mentions; 50s-70s ROK-POP OLD; mx-variety show (TB-OH)
- WBSL MS BAY ST. LOUIS - 9/26 0703 sign-on; dominant signal, WBSL, 1190-AM American Music into C&W (KVJ-GA)
- 1200 WOAI TX SAN ANTONIO - 9/28 0000-0115 with High School Scoreboard Show and Sports By-Line talk show; then Foundation of Human Understanding

- new-age REL (TB-OH) [We have another name for that show here, but can't print it, hi - Ed.]
- 1210 **WOGL** PA PHILADELPHIA - 9/28 0117-0200 *The Music You Grew Up With* slogan; 50s-70s ROK OLD (TB-OH)
- KOKK** SD HURON - 9/25 0658 ID into C&W before being buried by WSBI-Static, TN sign-on (KVJ-TN)
- 1260 **WRIB** PA ERIE - 9/23 0015 noted with promo, ID, ad break, oldies; very strong signal; last hrd as WLKK back in 70s and just barely at that! another effective DA! (DS-DE)
- 1270 **WCBC** MD CUMBERLAND - 10/1 0007-0010 nx, wx, *This is your full service radio station on 1270, WCBC*, net ads, *Larry King Show*; poor under 2 unIDs (DT-ON)
- 1280 **WLMJ** OH JACKSON - 10/2 0625 mentioned WLMJ and WCJO(FM) (JB-CT)
- 1290 **KOIL** NE OMAHA - 10/1 0700 poor with ID, surfacing over CJBK: *The Mighty 1290, KOIL Omaha*, then - *It's My Party* by *Leslie Gore*; soon lost to CJBK (which was also playing OLD) (MB-ON)
- 1310 **KNOX** ND GRAND FORKS - 9/19 0200-0220 ABC Nx, wx, *News radio 1370; ...due to technical difficulties, will go with Kool 97.4*; AC mx; fair under WDPN (DT-ON) [97.4? Those North Dakotan's sure have some strange FM frequencies, hi - Ed.]
- 1320 **WCYB** KY COVINGTON - 10/7 0055 fair in mess w/ID and mentions of Cincinnati (RK-IL)
- 1350 **WRNY** NY ROME - 9/22 0500 fair with oldie and full ID; a complete surprise on my sunrise timer tape, really a shock because the loop was aimed N-S (RK-IL)
- 1370 **WGHC** GA CLAYTON - 10/3 0700 poor with sign-on (RK-IL)
- 1450 **KIOV** ID PAYETTE - 9/29 0810 poor with OLD mx; *Classic Gold Authority* non-IDs, then *KIOV Payette-Ontario* ID; new for us (DT-ON)
- CHUC** ON COBURG - 9/7 0630 hrd with a blurb on the Canadian Broadcast Council and how to complain to them, then a positive ID: *Always a better mix of music, 1450, CHUC*; tons of QRM from other stations and severe fade; 1450 #!!!! (LK-ON)
- 1550 **WRHC** FL CORAL GABLES - 9/27 0000-0105 SS talk; at times good, generally better than one would expect from 500 watts; periodically wiped by CBE and KSFT; EE ID *This is WRHC 1550 AM Coral Gables, Miami and Hialeah* by female at Midnight and 0100; "R" in call sounded almost like "I" (GM-L-MB)
- WRHC** FL CORAL GABLES - 9/29 0529 SS REL pgm into SS ID by male, then EE ID by female: This is WRHC 1550 AM Coral Gables, Miami and Hialeah into SS GOS (JB-TX)
- 1560 **WPAD** KY PADUCAH - 9/30 0125-0158 alone except for WMOM test; sign-off: *Tune in tomorrow morning at six* (TC-NY)
- 1580 **KXZZ** LA LAKE CHARLES - 9/29 0540 OLD; ID: *Put that car in gear my friends, and dig the sounds of yesteryear with E. Rogers, the maharajah of the golden sound on KXZZ, Z16 in Lake Charles* (JB-TX)

### 1600 TO 2400 HOURS ELT

- 590 **WROW** NY ALBANY - 9/19 2143 positive ID as *Beautiful Music AM 590 WROW* and *Wake up in the morning to WROW, Albany*; strong QRM from CFRA, but hrd this in the null (LK-ON)
- 620 **WHEN** NY SYRACUSE - 9/19 2200 positive ID at :00 as *Western New York's source for news, WHEN*, then into nx; in the mess with others with fade (LK-ON)
- WRJZ** TN NASHVILLE - 9/25 2245-2346 with *Christian Evangelical Bible Class* and *Life Perspectives* pgm (TB-OH)
- 660 **WMIC** MI SANDUSKY - 10/7 1640-1730 OLD, ROK mx, news pgm; faint (TB-OH)
- WFAN** NY NEW YORK - 9/25 2200-2230 All-Sports Radio, continuous sports news, scores, talk show, traffic and wx (TB-OH)
- 720 **WGN** IL CHICAGO - 10/4 2150-2211 with nx & local talk show; very faint (TB-OH)
- 800 **WTMR** NJ CAMDEN - 9/28 2017-2030 *Let Your Light Shine for Jesus Show*; no call letters hrd, but phone # given as 609-962-8178; fair over WLAD/CKLW (TC-NY)
- WKEE** WV HUNTINGTON - 10/1 1900 weak with *Your Oldies Station WKEE* ID (JPC-OH)

- 820 **WBAP** TX FT. WORTH - 9/19 2240 no ID by call, but *Catch all the action on the Texas Rangers Radio Network* and ads for Kroger's USDA choice Texas beef, and *Chevron* gas; it was game two of a doubleheader; lots of co-channel QRM, with others in CHAM's null, then faded to a talk show (LK-ON)
- WBAP** TX FT. WORTH - 10/3 2030-2110 *Bandy Calloway's* sports talk show; *The 50,000 watt voice of the great southwest* (TB-OH)
- 830 **WSHB** SC CYPRESS CREEK - 10/4 1915-1950 with *Christian Science Monitor* radio and *Letterbox* pgm from shortwave world service (TB-OH)
- 840 **CHUR** ON NORTH BAY - 9/23 mx, ad for *? Building Center*, Callendar [? - Ed.]; poor under WHAS (DT-ON)
- 850 **KFUO** MO CLAYTON - 9/25 2015-2105 call-in Evangelical Christian talk show *Lifeline*; heavy QRM from WRMR (TB-OH)
- WYLF** NY PEN YAN - 9/22 2113 fair - poor with sign-off on PSSA; anybody know the power on this? (RK-IL) [The Log sez U1 1000 with NO PSSA - Ed.]
- 890 **WFKJ** PA CASHTOWN - 9/30 1915 with sign-off; fair in noise (JB-MA)
- 900 **WKAJ** NY SARATOGA SPRINGS - 10/5 1814-1817 *Way We Were*; poor (TC-NY)
- 940 **WMAZ** GA MACON - 9/20 2127 fair with local HS FB game (JPC-OH)
- 950 **KPRC** TX HOUSTON - 10/4 2130-2135 with *Braves-Astros* game (BS-NE)
- 990 **WIVK** TN KNOXVILLE - 10/3 2230 with C&W mx (TB-OH)
- 1030 **WBZ** MA BOSTON - 9/27 2240-2300 *Boston's News Station*; call-in talk show; interview of book author of *Columbus at the Age of Discovery* (TB-OH)
- 1060 **KYW** PA PHILADELPHIA - 9/27 2300-2330 *From Independence Mail, KYW News Radio* (TB-OH)
- 1100 **WHLI** NY HEMPSTEAD - 9/30 1900 XLNT with ID and nx; *WHLI Hempstead, Long Island* (HJH-PA)
- 1130 **WISN** WI MILWAUKEE - 10/1 1912 fair with sports call-in show and *...it's 6:12 at WISN* ID (JPC-OH)
- 1140 **WBXR** AL HAZEL GREEN - 10/1 1914 weak under WRVA with *Hazel Green Motors* ad (JPC-OH)
- 1150 **WDEL** DE WILMINGTON - 9/21 2350 weak over/under KSAL? (*w/KC Royals* game) with promo and ID (JPC-OH)
- 1170 **WRJL** AL HANCEVILLE - 9/24 1959 promo for *Nightline 352-9596, where you can call, leave name/location, and say what gospel music means to you...*; sign-off with slogan *Share The Joy* (KVJ-GA)
- WHXT** MA ORLEANS - 9/30 1917 good at times with fades; *WKPE, Cape 104* slogan on FM simulcast; ROK mx; no WHXT call noted (HJH-PA)
- WWVA** WV WHEELING - 9/27 2333-2400 old-style evangelical "fire & brimstone" preaching; [and asking the burning question -Ed.] *Will the New World Order become the kingdom of the anti-Christ?* (TB-OH)
- 1190 **WHMT** TN HUMBOLDT - 9/25 2237 *Pure Gold 1190 AM*, ROK oldies, 1968 Countdown; good, solid signal in WOWO null (KVJ-GA)
- 1220 **CKCW** NC MONCTON - 9/24 1910 strong signal with AC mx (HJH-PA)
- 1230 **WNNC** NC NEWTON - 9/24 2142 United Way promo, ROK oldies; *1-2-3 Radio* (KVJ-GA)
- 1240 **CJCS** ON STRATFORD - 9/19 2043-2105 CHR mx, nx w/woman announc, Can. items; poor under several unIDs (DT-ON)
- 1260 **WNRK** DE NEWARK - 9/25 1934 fair signal with others; ID and wx report (HJH-PA)
- WNRK** DE NEWARK - 9/30 2009 strong with OLD and promo for *Eagles/Redskins* game (HJH-PA)
- 1280 **WONW** OH DEFIANCE - 9/30 2337-0005 C&W, 2355 SID, nx, wx, SID, sign-off; good - poor, int WKST & unID (DT-ON)
- 1290 **WJBI** MI BATESVILLE - 10/5 1905-1910 *Supergold AM 1290, WJBI*; poor under WBNF (TC-NY)
- WBNF** NY BINGHAMTON - 10/5 1853-1905 anncts for *The Bill Flynn Show*, *Don Giovanni Italian Show*, and *Live Oldies Show*; *Rush Limbaugh* (the ubiquitous one); NBC Nx; XLNT (TC-NY)
- 1310 **WXMC** NJ PARSIPPANY-TROY HILLS - 9/30 2000 MoYL mentions and ID mentioning these two cities; fair signal where usual WSSJ/WJLK dominate (HJH-PA)
- 1320 **WKRK** NC MURPHY - 9/27 1954 fair with ID and sports promo (JPC-OH)
- WWWV** VT RANDOLPH - 9/30 1945 in with AC mx, then cutaway for *Red Sox* BB; *3WT, Central Vermont's Leader in Sports*, super strong, over semi-local WSCR (HJH-PA)

- 1330 WLEE VA RICHMOND - 9/24 1915 just hrd ID thru WSCR (HJH-PA)  
 WFBC SC GREENVILLE - 9/27 1955 fair with ID and ad for *Pizza Perfect in Greenville* (JPC-OH)
- 1340 KXPO ND GRAFTON - 9/28 1720 XLNT with Mexican mx pgm; 1st time hrd this way (VAL-DX)  
 CKRE ON RED LAKE - 9/28 1810 good with mix of mx, wx report, CKRE ID (VAL-DX)
- 1370 KKMJ TX ROLLINGWOOD - 9/29 1959 fair with OLD, full ID (RK-IL)
- 1380 WIZO TN FRANKLIN - 9/27 2118-2132 *The Oldies, WIZO*, fair under WKDM (TC-NY)  
 WIZO TN FRANKLIN - 10/2 2221 very good with BBD and EZL with promo and ID (JPC-OH)
- 1390 WRSC PA STATE COLLEGE - 9/26 1900 way atop with dual ID *State College-Bellfonte*, promo for Lions FB (DS-DE)  
 WXTC SC CHARLESTON - 10/2 2232-2302 very good with FM 97 ID at 2232 and *WXTC AM and FM, Charleston* ID at 2302 (JPC-OH)
- 1400 CJFP PQ RIVIERE-DU-LOUP - 9/19 2352-0036 with 2 or more men talking in FF; poor (DT-ON)
- 1430 WXTC IN INDIANAPOLIS - 10/2 2140-2245 heavy metal mx, also IDs as *103, The Fox* (TB-OH)
- 1440 KJLO LA MONROE - 9/17 2139 good with HS FB and local ads (RK-IL)
- 1450 WRJM CT POQUONOCK - noted again 9/22 2359 with sign-off in Yiddish, said that most distant listener would receive a prize of a bar of Yak Butter for correct report! This is an odd station, indeed! (DS-DE)  
 WMOH OH HAMILTON - 9/25 2309-2400 with Sports Final, ID at :00, local ads ...*servng Centertown...*(?); poor under WCTG/WFRA (DT-ON)  
 WFRA PA FRANKLIN - 9/25 2305-2400 OLD mx, sign-off at 2400 ...*WFRA...*, SSB; poor under WMOH/WCTC (DT-ON)
- 1480 WPWC VA DUMFRIES-TRIANGLE - 9/27 1958-2000 end of *Appalachian Jubilee, The Big W: 1480, WPWC*, poor under WZRC (TC-NY)
- 1540 WECZ PA PUNXSUTAWNEY - 9/28 1925 numerous ads mentioning western PA and Punxsutawney [not fair making me type that twice, hil Ed.]; no CID hrd (HJH-PA)
- 1560 WQXR NY NEW YORK - 9/27 2120-2210 *The Radio Station of the New York Times*, continuous CLA mx; *54 degrees in midtown Manhattan* (TB-OH)
- 1570 WANR OH WARREN - 10/1 2359-2400 TLK, sign-off, welcome reception reports, ID, etc; poor under 2 unIDs (DT-ON)
- 1580 WSRF FL FT LAUDERDALE - 9/29 2003 *The following program does not necessarily reflect the views of WSRF, its employees, or management, mention of FM 92.5 - 1 FM station?; phone given as 581-6885 (vs 581-1580 In Log); poor* (TC-NY)  
 WEBG PA EBENSBURG - 9/29 1930-1959 *The Christian Brotherhood Hour*, ID'd as *WEBG Ebensburg and WCRO Johnstown*, ? simulcast on 1230?; good over WPGC and CBJ (TC-NY)
- 1590 WAKR OH AKRON - 10/2 2025-2100 coverage of *Indians vs Brewers BB* (TB-OH)
- 1600 WBLY OH SPRINGFIELD - 9/27 2030-2115 with local HS FB coverage, *Central Catholic vs Versailles* (TB-OH)  
 WTTF OH TIFFIN - 9/20 2150-2214 HS FB, end of game, ...*WTTF & WTTF-FM, over/under WAAM* (also with HS FB) (DT-ON)
- 1610 Caribbean Beacon BWI ANGUILLA - 9/4 2030-2120 as I mentioned in my May report, I'd been trying to get a positive ID on this one for some time; this date there was a sermon from *Brother Hardy* giving an address in Baltimore, MD; then, finally, a positive ID as *This is the Caribbean Beacon* followed by *CNN News*; very loud and clear at times but also with severe fade (LK-ON)  
 [This should have gone to IDXD, but since we had it earlier as an unID, I thought we'd finish off the mystery and close the case; also note their use of CNNI - Ed.]



### REPORTERS

- JB-TX JIM BOEHM//San Antonio, TX//CF-2010 + Dual Tunable Audio Filter  
 JB-MA JIM BAGGE//Springfield, MA//GE 7-2990 + LW  
 JB-CT JIM BAGGE//Mobile in CT//Delco caradio  
 KVJ-GA KARL JETER//Stone Mountain, GA//HQ-150 + 4' NRC Loop, LW

- DS-DE DAVE SCHMIDT//Wilmington, DE//HQ-180A + SM2  
 GMcl-MB GEORGE McLACHLAN//Winnipeg, MB//NRD-535 with 75' LW  
 BC-NH BRUCE CONTI//Nashua, NH//DX400  
 LK-ON LAURENCE KEARLEY//Orleans, ON//ICF-SW1 + loop  
 HJH-PA HARRY HAYES//WILKES-BARRE, PA//Superadio + SM2 (X2)  
 TB-OH TONY BERNHOFFER//Toledo, OH//Pioneer SK 550 Boom Box + 2' homemade loop (X2)  
 WN-MD WALTER NISSEN, JR//Silver Spring, MD//  
 TH-CA TIM HALL//Chula Vista, CA//uniD help  
 BS-NE BOB STRAUBE//Palmyra, NE//11-year-old Superadio  
 TC-NY TONY CASAMASSIMA, NY//Carmel, NY//NRD-525 + Palomar Loop  
 MB-ON MIKE BROOKER//Toronto, ON//ICF-7600D or RF-2200  
 RK-IL ROBERT KRAMER, N9MBK//Chicago, IL//R-5000, R-1000, HQ-129X + 2 RW Loops, Kowalski Loop + Kantronics Signal Enforcer peak/notch filter  
 VAL-DX SHAWN AXELROD & WAYNE McRAE//Valhalla, MB DXPedition//R-70 + several beverages  
 DT-ON DON TRELFOORD//Scarborough, ON//R-2000 + LW  
 JPC-OH JIM CROSS//SP-600 + homemade wedge loop  
 Ed.-TX Ye Editor//San Marcos, TX//

### GYDXA UPDATE

1230 kHz:  
 KFUN Las Vegas MB DXPedition# Valhalla, MB 1120

1400 kHz:  
 KRPL Moscow MB DXPedition# Valhalla, MB 950

# = Shawn Axelrod & Wayne McRae

### ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DDXD-E

||: parallel with or to - :to or into :00: on the hour AC:Adult contemporary AP:Associated Press BBD:big band BRN:Business Radio Net C&W:country & western CHR:contemporary hit radio CID:code ID CL:call letter ContChr:contemporary Christian EZL:easy listening EE:English FF:French GOS:gospel IRN:Interstate Radio Net j:jingle LSR:local sunrise LSS:local sunset MLB:Major League Baseball mx:music nx:news NPR:National Public Radio OC:open carrier pbp:play-by-play PSRA:pre-sunrise authority PSSA:post-sunset authority QRM:man-made interference QRN:natural interference QTH:location REL:religious ROK:rock 'n' roll RS:regular schedule \$:stereo SID:singing ID SRS:sunrise skip SS:Spanish SSB:Star Spangled Banner SSS:sunset skip TC:time check TT:test tones UC:urban contemporary UPI:United Press International wx:weather

KARERADIO, INC.

P.O. Box G/Atchison, KS 66602

73, Zell

## IN THE BEGINNING

BY JOHN D. BOWKER

THIS IS THE COMPLETE LIST OF U. S. BROADCAST STATIONS ON THE INDICATED FREQUENCY AS PUBLISHED BY THE FEDERAL RADIO COMMISSION IN 1934. "S" MEANS SHARED; "SH" MEANS SPECIFIED HOURS; "T" INDICATES TRANSMITTER LOCATION; "D" MEANS DAYTIME OPERATION ONLY; "U" MEANS UNLIMITED TIME.

Frequency (kc)	Call letters	Main studio and transmitter location	Power	Time designation
1150, clear..	WHAM	Rochester, N.Y.----- T-Victor Township.	50 kw----	U.
1160, clear..	WWVA WOWO	Wheeling, W.Va.----- Fort Wayne, Ind.-----	5 kw----- 10 kw-----	S-WOWO. S-WWVA.
1170, clear..	WCAU	Philadelphia, Pa.----- T-Newtown Square.	50 kw-----	U.

### Not sure about renewing?

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# 8 Domestic DX Digest - West

*DX Catches in the Western U. S. and Canada, with 24-hr. ELT*

Hey - where is everybody?! Someone other than John & I has to be doing some listening in MDT & PDT zones! Underlined are log corrections.

### Special!

- 1020 KCKN NM Roswell  
Per phone call from NRC'er Don Niccum CE station is no longer NSP. Sked now 0700-0200. (DN-NM)
- 1250.5 KNEU UT Roosevelt  
9/30 0900 Noted slightly high putting an obnoxious het on 1250! 0W
- 1340 KDEN CO Denver  
10/14 0440 Denver's LAST regular MM SP bites the dust! Noted NSP by 0W, JT and now me. Oh, well, at least it lasted this long! (WH-CO)

### Midnight to Middy!

- 540 KNAK UT Delta  
10/14 0903 Ending Mutual Nx to C&W Mx fair w/KNMX. (WH-CO)
- 560 KLZ CO Denver  
10/14 0700 This local now //FM 107.3 from 0700 to 1200. Remainder of time is Z-ROCK. (WH-CO)
- 580 KMJ CA Fresno  
10/14 0500 Rare appearance w/ no sign of

### Feeling a little depressed bunko?

Found yourself a little short of cash at Convention time this year? The Kids wanted new clothes and the high cost of school books has you down in the dumps. Plus the wife just went out and spent \$\$\$\$ on a new dishwasher. Don't fret pal. Uncle Crazy Ken is here to save you from the winter humdrums.

Just for you, 5 hours of the NRC Convention held at Bridgeport West Virginia this past September. Business meeting, many interviews, several technical talks. You get 2 C-90, 2 C-60 high quality music grade tapes - all this fits into a sturdy Cassette Album. Only \$9.50 per set. Order Today.



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**Wayne Heinen**  
4131 S. Andes Way  
Aurora, CO 80013-3831  
FidoNet: 104/108 (303) 699-6335 (ppd)

- usual WIBW. Rush Limbaugh to NBC Nx. Good signal. (WH-CO)
- 900 KSGI KS Wichita  
10/14 0757 Fair w/the crowd.. end EZL type mx lcl spots and call ID. (WH-CO)
- 1150 KSAL KS Salina  
10/14 0543 Noted w/ "KSAL Radio 11-50" ID w/ Lcl KFRR w/OC. (WH-CO)
- 1300 KGLO IA Mason City  
10/6 0106 Male announcer w/Wx "350 at Radio Park" ...faded.. Rare evening appearance. (0W-CO)
- 1310 KFLA KS Scott City  
9/30 0928 Local Wx "Good News Radio for Western Kansas" to REL. Fair in KFKA null. (0W-CO)
- 1550 KKHI CA San Francisco  
10/3 0105 Program notes ID by male announcer "The Classical Choice in San Francisco KKHI FM...and AM" to CLA Mx. CA # 68. (0W-CO)

### CONTRIBUTORS!

- (0W-CO) John Wilkins Wheatridge, CO - R-1000, 4,238' Anguilla Loop
- (WH-CO) Wayne Heinen Aurora, CO - R-390A, 4' NRC loop
- (DN-NM) Don Niccum Roswell, NM

# 9 Verification Signers

**Wayne Heinen**  
4131 S. Andes Way  
Aurora, CO 80013-3831

*Signatures and other information received upon request*

Freq.	Call	Signer	Contributor				
540	KDFTpu	Regis P. Brown PD-2303 W.		1170	WVSNi	D. Mark Allen, S Coord	KJ
550	WAMEI	Jim McJunkin CE	0W	1190	KUJlI	Steve Dinkel VP/GM	RT
570	CJEMlmbz	Claude Boucher Dir.	BH	1190	WJESlmbz	Mike Casey P/GM	RT
570	WTKNlmbz	Ray Bryan E	RT	1200	WSMLJu	Olin D. Campbell	KJ
620	WDNCIb	Conte Gould ACE	RT	1240	KODYpu	John Kelley PD	0W
640	WGSTq	Mike Lawing CE	BH	1270	CHATpu	U/U	0W
640	WJTZI	Mitch Sandidge CE	BH	1280	WJAYI	Forrest Ramsey P/GM	KJ
660	KEYZlmbz	Earl R. Gross	0W/WH	1290	WHIOlz	Keith Wright OpD/PD	BH
660	KTNNI	Michael Moore PD	KJ	1300	WLIFq	U/U	BH
670	KBOIcl	U/U CE	MH	1310	KXAMlmbz	Dave Teller PD/OpM/COP	0W
670	KWXlmbz	Tom Nichols O	RT	1320	WHHOI	Ralph L. VanDerLinden CE	BH
670	WIEZI	Dave Supplee CE	RT	1350	CJLMlmbz	Maurice Belanger PD	BH
710	KEELJ	Lecann Lewis VP/GM	RT	1350	WAVJlb	Danny Dyer O/GM	RT
710	KEELJ	Rick Benson TD	RT	1350	WCOPlz	Bill Burton GM	RT
730	KKDAI	Paul Strickland CE	KJ	1350	WNLKlmbz	Clif Mills Cop	BH
750	CJWWlbu	Dawson Elliot CE	MH	1360	WLCMI	Bill Curry OpM	KJ
820	XEYXlu	Manuel Hurtado S. Gte	0W	1400	WIELJ	Charles P Harper GM	KJ
840	KWDFI	Rich Dupree M	KJ	1460	WELZI	Gene W. Luster PD	KJ
860	WAECImz	Jim Arnold PD	RT	1470	KMFIlu	Richard Mize ChOp/CE	WH
880	KIKRlmbz	Bobby Martinez GM	MH	1490	KNDcPu	U/U M	0W
880	WMDBluv	Michael E. Babb OfM	KJ	1490	WUSSJ	Maurice Singleton III OpD/PD	BH
900	WBMLlmbz	Orvil Nichols GM	RT	1500	KXVQluz	Gene Milleson GM	WH
900	WGOKIb	U/U-Verie on back of Bumper Sticker!	RT	1520	KMAVpu	G. Dexheimer GM	0W
940	XEWVlu	Manuel Hurtado S. Gte	0W	1520	WKZQI	Bill Files CE	KJ
970	WVOPImz	Ed Johnson	RT	1540	CHINlu	Cathy-Ann Percy ExSecy,E Dept	KJ
980	KDSJpul	Mark Lindner	0W	1540	WSMII	Brian Talley CE	KJ
980	WWRCl	U/U-Receipt Certificate	RT	1540	WYNCpu	Gene Ward P	KJ
990	KKISlu	Ken Boesen PD	0W	1560	KKIDlu	Steve Everly	WH
990	WNTYIb	Guy F. Esposito PA/D	BH	1570	WBUGI	Bud Walker P	BH
990	XECLpul	Sylvia L. Vildosola Gte-via BOX	0W	1570	WOBSt	Bill Lawson	KJ
1014,	Calexico CA 92231	George B. Levites CE	BH	1570	WTLKl	Jay Douglas Blackburn M	BH
1050	WEVDq	Terry Barber GM	RT	1590	KDJSlz	Perry Kuger	0W
1060	WPMXrb	Yolanda Morton OfM	KJ	1590	WCBGlm	Pete Low ExVP/GM	BH
1070	WHYZluz	Christopher Newby OpD	WH	1590	WCSLlmbz	Milton Baker PD	RT
1100	KNZZcuz	Billy B. Gray GM	KJ	1600	KATZpu	John O'Day NxD-After 11 reports since 1976!	WH
1100	WSGII	Mark Ferguson M	KJ	1600	WHISlm.	Kevin Raper CE	RT
1130	WJTPI	Bette Bailey GM	MH	1600	WMCRIz	Mike Healy M	BH
1140	KNABIB	Dave Forseth PD	WH				
1140	KSOOLzuz	U/U	0W				
1150	KDEFpu	David L. Bivens OpM	RT				
1160	WTYNI	Barbara England	KJ				
1170	KUGTlu	Sandy Mack	KJ				
1170	WPLXru	Rolland E. French Co-O	KJ				
1170	WRJLlu						

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The DX Audio Service provides the ONLY monthly broadcast news cassette service to the DX community. Available to anyone anywhere, it is designed to inform the radio listener in a pleasing and informative manner. Many of the announcers on the service are professional broadcasters giving their free time to give the listener the finest service available.

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73  
Wayne

**Todd Brandenburg, KA0KAN**

**9720 NW 31st**

**Silver Lake, KS 66539-9403**

Hello everyone! As I mentioned last time, this is the final edition for 1991. Thanks to everyone for your contributions, suggestions, and kind words.

Those of you who haven't had your fill of FM DX'ing this summer might want to join the Worldwide TV-FM DX Association, which publishes the VHF-UHF Digest monthly. Send \$17 for a year to WTFDA at PO Box 514, Buffalo, NY 14205-0514.

To say the least, it has been a lot of fun. If you have any ideas or suggestions for next year, I'd like to hear them. Include your uniD's also and I'll try to help with them. The jury is in, and the verdict for the 1991 season is that it was rotten. Tropo was down from last year, as was E-skip, but the auroras were more active. As for myself, I heard nothing west of the Kansas/Colorado border all year. Let's hope that 1992 is better. I'll start looking for your loggings after March 1st.

73's for now,  
Todd

**Roger Winsor, 706 Longrun, Valparaiso, IN 46383**

This is my first report to this section (Glad to have you aboard- trb). Interest in AM is totally nil. Much too much interference for me to want to listen for. I guess format is in a column, so I will do so. My interest in FM got rejuvenated this summer by going to the WTFDA convention in Dunkirk, NY this last August. I took my GE Superadio with me and a WTFDA'er put in a new chip. It has totally improved selectivity. I now can dx any frequency on the dial. Before that was not possible. No E-skip this summer except on 7/1 I heard WQST-92.5 Forest MS at 8:30, plus uniD CLA on lower end from MS. The rest is tropo.

Totals now at 1038 heard. My location is 40 miles SE of Chicago, and yet I am able to get adjacent stations with ease, never available before. I use a home-made dipole.

Local new stations:

5.31 0700 90.5 WNIJ IL Rockford- w/ NPR and ID, often heard w/ jazz during day.

0720 98.1 WIBN IN Earl Park- noted w/ ID, lcl spots, ex-98.3, a daytime regular now.

6.4 99.1 WSMK MI Buchanan- testing w/ soul mx // 91.0-WCCJ, but has since gone on its own w/ soul mx. 8.12 0650 102.7 WLNBN IN Ligonier- w/ ID, AC mx in WVAZ null, semi-regular visitor here. 8.22 2302 103.5 WAWC IN Syracuse- ID in WWBZ null

2305 104.9 WOKZ IN Muncie- KZ-105 nonID, 'The Soft Choice', phone #, before unable to hear 104.7, 105.1 QRM too much.

2315 99.3 WCJC IN Van Buren- ID, C-93, lcl ads, WKVI off already.

2320 98.7 WQME IN Anderson- nicely in WFMT null w/ REL mx and ID.

8.23 2320 88.5 WMWA IL Glenview- a real shocker w/ phone # inviting to listen until s/off at 2340, no WHPK at all.

8.24 0320 104.5 WQKT OH Wooster- w/ C&W mx

'Your country connection', all alone and strong!

0340 101.3 WNCO OH Ashland- in WCUZ null w/ C&W mx, ID 'All American Radio'. 8.31 0652 93.5 WRQN OH Bowling Green- in a nice duct to NE Ohio, Q-93 nonID, ments of Toledo, etc.

0655 92.3 WKGH MI Allegan- at last thru pest WYCA, C&W mx, 'FM-92', lcl ments.

0710 96.1 WMTR OH Archbold- w/ lcl sports, ex-95.9 when last heard in 1969.

0730 105.1 WQTX IN Roanoke- ID, news/talk format, no \$ though.

9.2 0705 100.1 WNUY IN Bluffton- Y-100 nonID, lcl spot, WLKI nulled.

**Russ Edmunds WB2BJH, 753 Valley Rd., Blue Bell, PA 19422** using Nissan car radio & whip.

September has proven to be even poorer than August for FM this year. Last year, we had several good openings. (All Russ's DX is tropo- trb)

9.5 0705 98.3 WSUL NY Monticello- heard w/ rock mx and ID.

0708 97.3 WZAD NY Wurtsboro- sports, Hudson Valley wx, ID.

9.6 0717 107.3 WDBA PA DuBois- w/ promo, wx, 'Life 107.3' and ID.

9.9 0642 92.9 WFOG VA Suffolk- w/ MoR, ID, slogan, promo.

0645 94.9 WJQI VA Virginia Beach- mx, ad, traffic report, ID.

0648 100.5 WCMS VA Norfolk- C&W mx, wx, traffic, ID.

0652 99.7 WYFI VA Norfolk- w/ promo.

9.10 1815 91.1 WRTY PA Jackson Twp- heard w/ jazz, Temple Radio Network ID

listing all stations, translators. //90.1 WRTI.

9.16 0700 95.3 WDNH PA Honesdale- w/ news, wx, ID.

9.19 0707 89.1 WFNU NJ Teaneck- atop locals WWFM and WXVU w/ talk and mx program. Rare here.

**Doug Allen W2CRS, PO Box 5646, Woodland Park, CO 80866**

Equipment: Onkyo T-4087 and various Pioneer tuners (all IF modified), FM-13 at 50 feet.

9.3 meteor scatter

1020 98.1 WTXI AL Fayette- '98 TXI'

9.4 meteor scatter & tropo scatter

1100 98.1 WJJO MN St Cloud- ID

1200 107.3 KSLL ND Spearfish- gos

1205 96.9 KNID OK Enid- C&W

1230 91.7 KPNE NE North Platte- 'Nebraska Public Radio'; multiple IDs on the hour.

9.6 tropo

0608 99.3 K?NE NE ???- NE Public Radio // 88.7 and 91.7 (any help anyone? I can't find this anywhere- trb).

0610 93.7 KYEZ KS Salina- C&W- full quieting at 400 miles (Doug, note calls- trb).

0615 101.5 KBRX NE O'Neill- ID (Aren't these guys on 102.9?- trb).

0625 90.3 K?NE NE ???- NE Public Radio // 88.7,

91.7, & 99.3 (This is KMNE-Basset, NE, located between Valentine and O'Neill, and new on the air - trb).

0630 93.7 KWYR SD Winner- ID, 'magic 93', 425 miles.

0648 90.9 KDSD SD Pierpont- promo, 576 miles.

0700 101.5 KVCX SD Gregory- ID, 420 miles.

0730 90.9 K215AN CO Sterling- KUNC ID, 150 miles.

0738 95.3 K237AN CO Wray- TENT- poss. KQLS translator.

0745 105.7 KVAY CO Lamar- new call letters.

0750 105.9 KAAQ NE Alliance- C&W, 'Double-A Q country', local ads, over strong local KBPI.

0815 89.5 K208BU WY Cheyenne- KWBI ID.

0817 101.9 KMUS WY Burns- "Cheyenne's best country K-MUS 102", over strong local KKCS.

9.19 tropo

0730 88.1 KJTY KS Topeka- gos, 490 miles.

0732 98.1 KUDL KS Kansas City- ID, 565 miles.

0735 106.9 KTPK KS Topeka- ID, 490 miles, strongest from eastern KS.

9.20 groundwave

0810 103.9 K? CO -new strong translator peaks WNW.

9.23 groundwave

90.7 KCDC CO Longmont- s/on with SSB, '100 watts'.

9.24 89.1 CO ??- strong new translator peaks WNW- translators seem to come and go frequently here in CO, sort of RF musical chairs. I'm only counting the ones listed in FM Atlas and VUD.

Thus endeth a very poor tropo season with a fair opening to SD on the 6th and a weak opening to eastern KS on the 19th. I'm hearing out to 400+ miles on tropo-scatter better, with several regular 400+ milers rising above the white noise several times an hour, but enhancement beyond 600 miles has been virtually nil all year. Last year's final tropo opening was 10/1 so I'm not optimistic about tropo until spring despite the unseasonably mild early October weather (only two snow storms so far this fall).

**Bill Nienajedly, PO Box 2999, Clifton, NJ 07015**

Pioneer TX-9800 with two 180's and three 150's, Audiovox car rx with two 150's and AFC defeated, GE Superadio with 110 filter, 6 element R.S. ant at 80 ft with rotor and 10dB post amp.

7.18 E-skip

1814 93.3 WFLZ FL Tampa

1816 92.5 KKNG OK Oklahoma City- another split opening

1819 92.5 WYUU FL Safety Harbor

1838 92.1 KEEM TX Commerce

7.19 E-skip

1730 92.1 WDDQ GA Adel- Travelers Information Service 'Exit 10 I-75 in Adel' in stereo

2014 Gulf area pests- WDJX-96.9, WBLX-92.9, Mix-95.7 phone # 260-9595, also possibly new WFSY-98.5 Panama City, FL 'Classic oldies 98.5'. Am I correct on this one?

2035 97.7 WTBB FL Bonifay

2039 102.9 uniD- 'Rock 103' ment: LAKEWOOD AMPHITHEATER- I believe this was an AOR not classic rock stn. Can anyone help on this one?

2044 99.3 WEBZ or WEEZ not sure- could be WEEZ Heidelberg, MS tent

2100 105.9 WILN FL Panama City- Oh Yes! I love tis one! Clear over 12 mi lcl

WNWK Newark!

2106 104.5 WGPC GA Albany- very rare

2112 92.9 WAAC GA Valdosta- with ments of

Adel, GA and C-92

2130 97.7 uniD- 'July 20 at the Waycross Motor speedway- don't miss the Budweiser Bash 100' (how about WWUF Waycross GA?- trb)

2134 101.7 WCWB FL Trenton-Swanee River Country' heard with calls

2141 95.3 FL Fort Myers- plus other E-skip Florida pests like Miami area

96.5, 95.7 Se Habla Espanol, Yawn again WYUU 92.5, WRXX 96.1.

7.22 E-skip- a very welcome opening! something other than the Gulf!

1723 92.1 KKEG AR Fayetteville- then to Minnesota areas

1730 91.7 uniD- mentions St. Paul and Twin Cities - I doubt highly that this is WMCN at 10 watts!

1732 95.1 KWOA MN Worthington- 'KO-95'

1749 95.9 uniD- 'Patty Loveless performing at Mission Creek' obviously a country station

1804 92.5 KKWQ MN Warroad- 'KQ-92 Minnesota's Original Rock'

2143 92.1 WMEQ WI Menomonic- ID not heard, but they did mention 2 nearby cities which did check out, Eau Claire and Durand

92.9 uniD 'WECL WHO IS THIS? HELP! (WECL is a new one in Elk Mound, WI- trb)

94.5 uniD -ad or Communications West and Twin Cities mentions

7.29.91 E-skip

2345 92.9 uniD- 'Star 92' this might have been to the Midwest maybe IA or MN

8.26 Tropo

0615 104.7 WWMV MD Hagerstown- 185 miles

0626 Lancaster, York, Red Lion, Reading plus Gettysburg 107.7 all way above normal

8.27 Tropo

0700 92.5 WKGB PA Susquehanna- 131 miles, this starting to get common now!

This season did turn to be below average, though I have seen much worse than 1991. The sunspot activity/ solar flares were to blame, I believe. All in all I say this season was a stinker.



**Radio and Records  
-via Jerry Starr**

Photo credit: Barry Williams/The Flint Journal

It might not look like much, but it's home. WOVE/vassar (Flint-Saginaw), MI has been operating out of the nylon tent and cinderblock transmitter hut pictured above ever since the Contemporary Jazz station's offices were ravaged by fire on July 28 - only hours after its first birthday bash. Afternoon talent Elisa Forte (shown) and other staffers have learned to rough it when broadcasting from the woods, ducking outside for porta-potty breaks while becoming friends with Mother Nature.

Station owner Michael Shumpert - the only black station owner in the Flint-Saginaw market - said he has while becoming friends with Mother Nature.

Station owner Michael Shumpert - the only black station owner in the Flint-Saginaw market - said he has while becoming friends with Mother Nature.

12  
**International  
 DX Digest**

Foreign DX Catches. Times are UTC; for ELT, subtract 5 hrs.

Welcome back to IDXD, George Hakiel! George has been hearing TPs from Long Island! Also welcome back to Alan Merriman with his Drake R-8. Lots of Caribbean splits from Alan. I believe he is a former IDXD editor, which means he rates room for commentary below! What are the rest of you hearing? Let everyone know through IDXD!  
 JIM

**Jim Renfrew**  
 61 Wilcox Street  
 Rochester, NY 14607-3832

firmed my reception of 1620. He also had similar format at the same time. [GH-NY] (George, in the interest of DX science I would be very willing to list all those hets, even if you aren't sure of what they are - Jim)

**PAN-AMERICAN**

535 **GRENADA** St. George's 0055 10/1. Fair, quiet vocal mx, best on E/W sloper, covered by powerline noise on N/S sloper and loop. [AM-VA]

555 **ST KITTS ZIZ**, St. Kitts 0234 10/1. Quiet mx, best on slopers, line noise on loop. [AM-VA]

595 **DOMINICA** Roseau 0051 10/1. With steel band mx, rapid male anncr w/usual mushy audio, several spots. Good signal on N/S sloper. [AM-VA]

700 **JAMAICA** JBC Radio 1, Montego Bay 0231 10/5. Excellent signal w/funeral announcements, about equal on the loop and N/S sloper. [AM-VA]

705 **ST VINCENT** Kingstown 0047 10/1. Presumed w/mx, poor signal, always a tough log here, w/loop. [AM-VA]

720 **JAMAICA** R. Jamaica, Kingston 0035 10/1. Excellent signal w/funeral announcements, about equal on the loop and N/S sloper. [AM-VA]

750 **JAMAICA** Point Maria 0243 10/1. Good w/pop mx, WSB phased, // 700 Montego Bay also good on loop w/same program. [AM-VA]

800 **NETHERLANDS ANTILLES** PJB, Bonaire 0135 10/5. Man in PP, dominant but not the super sig they've had in the past. [AM-VA] (I believe they are directional to Brazil when in PP - Jim)

895 **ST KITTS** VDN, Nevis 0040 10/1. Best ever, S-7 w/man talking, quick fade. Best on the loop. [AM-VA]

1100 **COLOMBIA** 0145 10/5. This frequency a jumble of SS most evenings w/WWE phased. At least three noted at this time, one with a list of Colombian cities, including Cali and Cucuta, neither of which has stations on 1100, hi! Thought I heard a R. Relo; ID one evening, but not sure. [AM-VA] (no doubt you heard a network list - Jim)

1190 **COLOMBIA** HJCT LV de la Costa, Barranquilla 0119 10/5. Very good w/upbeat mx, two slogan IDs at 0120, one w/echo. Best copy on slopers w/WOWO phased. [AM-VA]

1555 **CAYMAN IS** Sun Bluff 0133 10/7. Excellent w/religious program, absolutely no GRM even w/6 kHz selectivity. 20/S-9 on N/S sloper. [AM-VA]

1570 **TURKS & CAICOS IS** Atlantic Beacon 0057 10/7. Been wondering where this was. Excellent signal ending Shower of Blessing, ID at 0059. Best bay far on the loop. [AM-VA]

**STATION NEWS**

**IA Report from Europe:** "Gordon Bennet in United Kingdom reports good openings to North America on Medium Wave between 17 & 24 September, at 0445-0600 UTC." [Play-DX #661]

**Alan Merriman's observations:** Have been doing a lot of listening since early August, continuous auroral/semi-auroral cx. Except for one evening in Aug. when there were a few hets on the upper end of the band and a very weak 1521 kHz het a couple of weeks ago, there has been no sign of any TAs. Lots of LAs - SS everywhere many evenings - nothing that really sounded interesting and I haven't had the patience yet to try for many IDs - the LAs don't seem to ID any more than a lot of US stations anymore.

**RADIO CENTRAL**  
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**1040 KHZ A.M.**  
**24 HORAS EN VIVO**  
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**DE LA** 566-2265  
 567-4245  
 567-4246  
 566-2395  
 Av 27 de FEBRERO No. 350

**CONTRIBUTORS**

[AM-VA] Alan Merriman, Annandale VA; Drake R-8, 2 antenna super-market slopers w/reducing xfms, one N/S, one E/W, mini-MWDX-4A wire, wire phasing unit, MWI-2 regenerative tuner, 2' high dynamic range balun loop w/amp. ("whew!")

[GH-NY] George Hakiel, West Islip NY; ICOM R-9000, R-71A, LWs, loops, phasing unit.

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 ESTUDIOS: Autopista Duarte Km. 6 1/2 - Santo Domingo

**TRANS-ATLANTIC**

- 765 **SENEGAL** Dakar 2321 9/21. Vernacular talk by man, fair. [GH-NY]
- 1530 **VATICAN** Vatican City 0439 9/21. Stn IS and ID way over WCKY, excellent signal. [GH-NY]
- 1575 **SPAIN** Oviedo 0404 9/21. SS talk, SER network // 1584, fair. [GH]
- 1593 **GERMANY** Langenburg 0443 9/21. GG talk by man, good. [GH-NY]
- 1611 **VATICAN** Vatican City 0450 9/21. Organ mx, ID, good. [GH-NY]

**TRANS-PACIFIC**

- 1620 **AUSTRALIA** IRPH, Canberra 1025 9/25. Aussie-sounding man w/talk followed by woman talk, poor but legible. Entire band was alive w/TP hets, probably about 40 signals. Maybe someday I will get some audio out of them! I called Massachusetts and he con-

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# College Sports Networks

**Rick Dau**  
Apt. E-9, 401 Emerald St.  
Iowa City, IA 52246-3003

*Network listings for team sports stations*

Welcome to edition #2 of CSN for 1991-92. We have a huge report in from the West Coast and the Rockies this time, so let's dive right into it:

**IOWA HAWKEYES** (Iowa Sports Network)  
Frosty Mitchell, Tim Boyle, Bob Evans

600 WMT-IA	1540	KXEL-IA
990 WCAZ-IL		
1070 KILR-IA	92.1	KTAV-IA
1310 KDLS-IA	95.3	KIPG-IA
1320 KNIA-IA		KCII-IA
1330 WRAM-IL	95.9	KILR-IA
1380 KCII-IA	97.7	WMOI-IL
1400 KCOG-IA		KHBT-IA
1410 KGRN-IA	98.3	KEMB-IA
1480 WTDY-WI	99.5	KKMA-IA
1500 WGEN-IL	100.9	KQTB-IA
1510 KIPG-IA	102.7	KYTC-IA

**IOWA HAWKEYES** (Hawkeye Network)

860 KWPC-IA	1580	KCHA-IA
1080 KOAK-IA		
1140 KNEI-IA	92.7	KLGA-IA
1220 KJAN-IA		KIDA-IA
KOUR-IA		KCZY-IA
1230 WLLR-IL	95.3	KOUR-IA
KFJB-IA		KMAQ-IA
1240 KBIZ-IA		KOAK-IA
1280 KCOB-IA	97.7	KGCI-IA
1310 KOKX-IA	98.1	KHAK-IA
1340 KROS-IA	99.3	KDST-IA
1360 KHAK-IA	100.1	KCTN-IA
1400 KADR-IA	103.9	KNEI-IA
KVFD-IA	105.5	KELR-IA
1440 KCHE-IA		KNOD-IA
1460 KGGO-IA		KILF-IA
1470 KANO-IA	106.3	KXOP-IA
1490 WDBQ-IA		KBWH-IA
KXLQ-IA		KMA-IA
KRIB-IA	107.1	KDSN-IA
1530 KDSN-IA		

**KANSAS JAYHAWKS**

Bob Davis, Max Falkenstien

730 KLOE-KS	1600	KMDO-KS
980 EMBZ-MO		
1240 KIUL-KS	93.5	KLKC-KS
1280 KSOK-KS		KWMB-KS
1290 KWLS-KS	95.9	KQNS-KS
1320 KLWN-KS	99.3	KALN-KS
1370 KALN-KS	100.3	KQLS-KS
1390 KNCK-KS	100.7	KHOK-KS
1410 EQAM-KS	101.7	KEGS-KS
1420 KJCK-KS	103.1	KNDY-KS
1440 KMAJ-KS	105.9	KLZR-KS
1450 KWBW-KS	106.7	KPII-KS
1470 KYUU-KS	107.7	KMAJ-KS
1540 KXKC-KS		

And now, let's head out west...

**ARIZONA WILDCATS**

Brian Jeffries, Les Josephson

910 KFYI-AZ	1340	KFBR-AZ
940 KNST-AZ	1450	KNOT-AZ
970 KVWW-AZ	1470	KMFI-AZ
1150 KCKY-AZ		
1230 KATO-AZ	93.5	KVWW-AZ
KINO-AZ	95.3	KKRK-AZ
1240 KJAA-AZ	102.9	KQST-AZ
1250 KHLL-AZ		

**BRIGHAM YOUNG COUGARS**

Paul James, Mark Lyons

590 KID-ID	1340	KACH-ID
KSUB-UT	1390	KENN-NM
650 KMTI-UT	1400	KRVZ-AZ
790 KUTA-UT		KART-ID
890 KDXU-UT	1490	KCID-ID
1150 KCKY-AZ	1520	KPXX-OR
1160 KSL-UT		
1230 KATO-AZ	94.1	KXKQ-AZ
KBAR-ID	98.3	KARB-UT
1250 KNEU-UT	105.1	KMXU-UT

**CALIFORNIA GOLDEN BEARS**

Joe Starkey, Lee Grosscup

670 KWNK-CA	1450	KAVA-CA
810 KGO-CA	1490	KRKC-CA
970 KCOG-CA		
1320 KCTC-CA	92.7	KFMB-CA
1400 KQMS-CA	103.3	KUKI-CA
1410 KMYC-CA		

**MONTANA GRIZZLIES**

Bill Schwanke

1340 KYLT-MT

**OREGON STATE BEAVERS**

Darrell Aune

730 KRVC-OR	1360	KOHU-OR
1150 KAGO-OR	1400	KJJD-OR
1190 KEI-OR	1430	KYKN-OR
1230 KVAS-OR	1440	KODL-OR
1240 KFLY-OR	1450	KLEB-OR
KQEN-OR	1590	KTIL-OR
1280 KDUX-OR		
1290 KUMA-OR	96.5	KTWI-OR
1310 KNP-T-OR		
1340 KWVR-OR		
KBBR-OR		

**STANFORD CARDINAL**

Hal Ramey

740 KOBS-CA 90.1 KZSU-CA

**UNLV (yes, football, too!) RUNNIN' REBELS**

Ross Porter, Tony Cordasco

720 KDWN-NV

**WASHINGTON HUSKIES**  
Bob Rondeau, Sam Adkins, Bill Swartz

560 KPQ-WA	1170	KPUG-WA
580 KRSA-AK	1430	KBRC-WA
610 KONA-WA	1450	KAYO-WA
660 KPAR-AK		KONF-WA
680 KOMW-WA	1460	KMWX-WA
850 KIOY-AK	1470	KELA-WA
920 KQEU-WA	1490	KVAC-WA
930 KTKN-AK		KLOG-WA
1000 KOMO-WA	1550	KVAN-WA
1030 KMAS-WA		
1050 KEYP-WA	92.9	KAST-OR
1080 KKSD-AK	99.3	KAYO-WA

**WASHINGTON STATE COUGARS**

Bob Robertson, Paul Sorensen

660 KAPS-WA	1320	KIRO-WA
710 KIRO-WA	1340	KWWW-WA
870 KORD-WA	1350	KRLC-ID
920 KXLY-WA	1400	KLCK-WA
930 KBFW-WA	1450	KCLL-WA
1210 KREW-WA	1470	KBSN-WA
1230 KOZI-WA		
1240 KOVL-WA	92.7	KOMW-WA
KGY-WA	93.5	KOZI-WA
1250 KWSU-WA	97.1	KNSW-WA
1270 KBAM-WA	102.9	KMNT-WA
1280 KIT-WA		

**WYOMING COWBOYS**  
Dave Walsh, George Ray

710 KNUS-CO	1330	KOVB-WY
930 KROE-WY	1340	KYCN-WY
950 KMER-WY		KWOR-WY
1030 KTWO-WY	1400	KODI-WY
1240 KUUS-MT	1450	KBFS-SD
KFBC-WY		KBBS-WY
KEVA-WY		KVOW-WY
KASL-WY	1470	KWIV-WY
KRAL-WY	1490	KUGR-WY
KTHE-WY		
1260 KPQW-WY	96.9	KMTN-WY
1270 KIML-WY	98.3	KERM-WY
1290 KOWB-WY	104.5	KSIT-WY

I wish to thank NRCer Todd Brandenburg, the Sports Info office at the Univ. Of Iowa, and ESPECIALLY NRCer Bill Hardy for putting his time and effort into a very nice assortment of western networks. Any info YOU can send me is quite welcome (remember, I need NETWORKS, not just flagship stations!). Until next time, sit back, turn on the radio, and enjoy the game!

## Formats

**Tony Fitzherbert**

356 Jackman Avenue  
Fairfield, CT 06430-1728

*Changes in programming status; reported by listeners*

Welcome to Formats..we open up with a goof. I noted last time that local WDJZ-1530 in Bridgeport was simulcasting with a station in West Springfield...not true! It simulcasts with WPLS-1380, in Naugatuck, CT. Both stations are ID'ed on the hour...this goes to show how often I listen to Portuguese radio. And Jeff Multer of Charlotte, NC wrote to note that BRN is but a filler on early Sunday and Monday mornings on WBT. He further noted that BRN has been dropped by this station, and CBS is WBT's only network.

A business acquaintance returned from a three week trip to Poland, and advised that 40 private AM stations had been allowed to go on the air in that country. I wonder how many carry business news, motivational talk, and satellite fed music - programming which makes our stations great, hi! And a recent New York Times article on the expansion of the AM dial to 1700 khz notes that the FCC reports about 200 AM stations silent, and half of the operating AM's loosing money. Of these stations, the median loss is \$11,000. No wonder the satellite programming is used, and for us who seek verifications, who is at many stations to answer our reports. No wonder we have problems getting our catches confirmed!

Our column comes from Marc DeLorenzo, Mike Riordan, M Street Journal, William C. Moser, Tim Hall, and John Tudenham. Bill, Tim, and John are first time contributors. Welcome aboard, gentlemen! Here we go....

560 KWTO MO Springfield	- News/Talk (JT).
590 WEEL MA Boston	- All sports, like WFAN, but with regular news on the hour (MD).
630 KDWB MN St Paul	- Now WDGY, CWM moved here from 1130 (WM).
740 WLVG MA Cambridge	- Not silent per call from station to my wife (I was at PTA meeting and caller's name was lost so I could not return call), and to drop its Black gospel for rock (TF). So this column IS read!!!
820 WPNT IL Chicago	- Sports talk starts soon (M).
820 WIQT NY Horseheads	- Classic CWM (M).
850 KMDY CA Thousand Oaks	- AC//FM 92.7 (MR).
880 KWIP OR Dallas	- AC (M).
910 WQZZ TN Columbia	- UC (M).
910 WWWV VA Roanoke	- Contemporary Christian (M).
940 KSWM MO Aurora	- CNN Headline News (JT).



**RADIO 720AM**

A Tribune Broadcasting Station  
435 N. MICHIGAN AVENUE  
CHICAGO, IL 60611



980	WSUB CT Groton	- News/talk (TF).
980	KICA NM Clovis	- Spanish (M).
990	KTUN CA Santa Barbara	- Drops its all musical format for EZL and Jazz (M).
990	WHOO FL Orlando	- Rock//WHTQ (M).
1010	WYST MD Baltimore	- Dance/CHR//FM 92-Q (M).
1050	KGTO OK Tulsa	- Satellite adult standards (JT).
1050	KPXE TX Liberty	- Soft AC//KSHN (M).
1060	KTOZ MO Springfield	- Satellite adult standards (JT).
1060	KFNA TX El Paso	- Spanish (M).
1080	WJOE FL Port St. Joe	- Satellite traditional CWM (M).
1130	KFAN NM Minneapolis	- All sports - flagship for Vikings FB (WM).
1150	WJZS SC Orangeburg	- Gospel (M).
1190	KJLA MO Kansas City	- Adult standards (M).
1190	KWMB MN Wabasha	- // KDHL programs (WM).
1200	WNSS NY North Syracuse	- Was WKRA, satellite standards, now CNN Headline News (M).
1210	KEBR CA Rocklin	- Family Radio Religion (TH).
1220	KRGO CA Fowler	- News/talk (M).
1230	KISP AZ Phoenix	- SMN UC, was KAMJ, talk and sports (M).
1230	WNEB MA Worcester	- Reported silent (TF).
1230	KWAS MO Joplin	- Satellite adult standards (JH).
1240	KKSB CA Santa Barbara	- Back on air on 9/7, w/CWM, was KESP, Spanish (MR).
1240	KCCR SD Pierre	- Full service, CBS, Talknet at night (WM).
1240	WIBU WI Poynette	- Drops polkas for SMN Standards (M).
1260	WTKL LA Baton Rouge	- Silent (M).
1260	WVLC SC Lake City	- CWM, AC (M).
1270	WBZS FL Eatonville	- Brokered Spanish (M).
1270	WSPR MA Springfield	- Reported silent (TF).
1280	WNPT AL Tuscaloosa	- Urban AC//FM (M).
1280	WIPC FL Lake Wales	- AC, Sun Talk (M).
1290	KLVS OR Lake Oswego	- Religion (M).
1290	WQIN PA Lykens	- Oldies (M).
1310	KFBS MO Joplin	- Satellite AC, ABC News (JT).
1340	KIST CA Santa Barbara	- Drops//FM KMGQ (MR).
1340	KIDS MO Springfield	- Pre-teen (JT).
1340	WRAP PA Reading	- SMN Adult standards (M).
1350	WEGA PR Vega Bija	- Reported silent (M).
1360	WDRG CT Hartford	- Satellite adult standards (TF).
1360	WZPQ AL Jasper	- CHR//FM (M).
1380	WLNA MS Indianola	- Black Gospel (M).
1380	WTOB NC Winston - Salem	- CNN Headline News (M).
1400	KHZZ CA Santa Paula	- Now UNIS CWM (MR).
1400	WPRY FL Perry	- AC//WNFK (M).
1410	WLVV AL Mobile	- Black Gospel "Love" (M).
1410	WSKN AL Prattville	- UC (M).
1410	KLFD MN Litchfield	- //KMXK 94.9 (WM).
1420	WLIS CT Old Saybrook	- Now AC, full service, ABC News (TF).
1440	WVEI MA Worcester	- All sports//WEEI-590 (MD).
1450	KMMS MT Bozeman	- Unis CNN Headline News (M).
1450	WMBH MO Joplin	- Satellite CWM (JT).
1460	KARR CA Inglewood	- Family Radio religion (TH).
1480	KRRU CO Pueblo	- Silent (M).
1480	KDPL WA Lakewood	- Now religion full time (M).
1490	WOHI OH East Liverpool	- SMN Standards (M).
1490	WOMI KY Owensboro	- BRN Business News (M).
1490	KFCR SD Custor	- Back on the air with CWM (WM).
1490	WJOC TN Chattanooga	- All sports (M) Look at the call sign (TF).
1510	WNLC CT New London	- CNN Headline News (TF).
1510	KTTT NE Columbus	- Unis Standards (M).
1529	WINW OH Canton	- Temporarily silent (M).
1530	KGTN TX Creedmore	- Silent (M).
1540	WYNC NC Yanceyville	- Reported silent (M).
1560	KQYX MO Joplin	- CNN Headline News (JT).
1570	WQAI FL Fernadina Beach	- News/talk (M).
1570	KTAT OK Frederick	- Reported silent (M).
1580	WTTN WI Watertown	- CWM (M).
1600	KLLR MN Walker	- Unis Standards (M).



**KOWL AM 1490**  
 Lake Tahoe's First  
 Tahoe Keys Marina  
 P.O. Box 15460  
 South Lake Tahoe, CA 95702

Another good column....thank you for your contributions. Keep them coming....and if you can do a dial scan of your area, do send it along. It would be of interest to all. I would especially appreciate a Dial Scan of the San Francisco-Oakland-San Jose area. Good DX to all!!!

73's

## The RTL-1 Remotely-Tuned Loop... by Mark Connelly

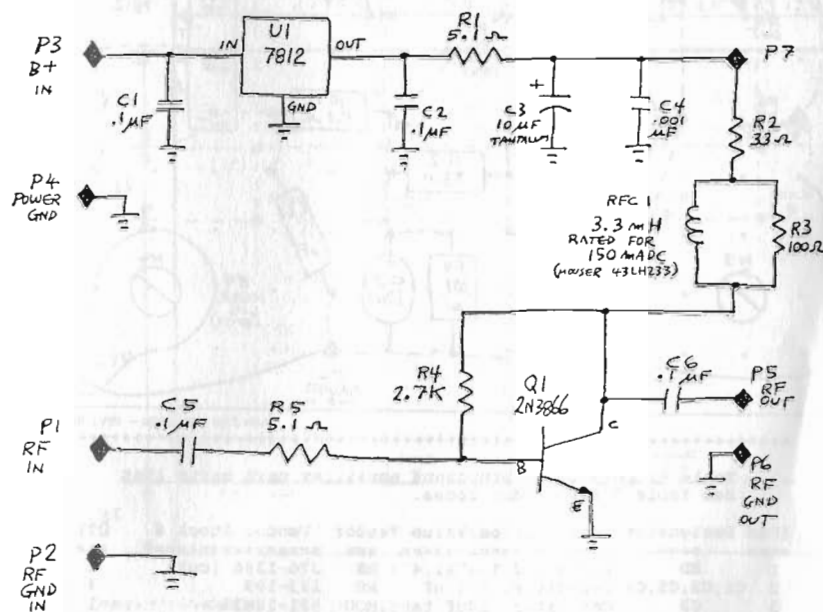
(Continued from last issue)

### BBA-C Broadband Amplifier Card (refer to Fig's 8 & 9; Table 8)

The BBA-C provides 20 dB of gain between the output of the BFE-A Balanced Front-End card and the transmission line back to the receiving position. This gain is necessary with the rather anemic output of Palomar loop heads. Conceivably this amplifier could be eliminated if air-core loops of 1-foot square or larger are used. Power consumption would thereby be reduced and dynamic range enhanced. Converting the front-end from BFE-A to BFE-B, as noted before, could also help dynamic range if a big loop is used.

FIGURE 8

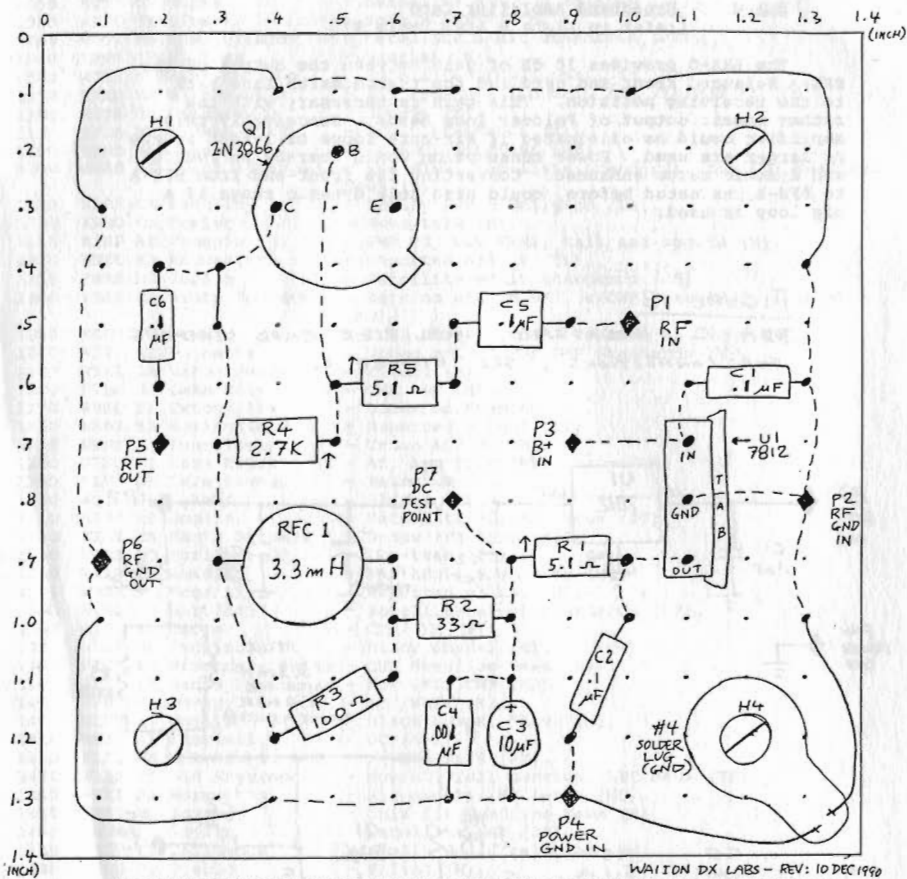
BBA-C BROADBAND AMPLIFIER CARD SCHEMATIC  
 FOR CONNECTIONS, SEE FIGURE 1.



#### NOTES

$\frac{1}{\square}$  = CIRCUIT CARD GROUND  
 FOR ASSEMBLY DRAWING, SEE FIGURE 9.  
 FOR PARTS LIST, SEE TABLE 8.  
 THIS IS "A2" OF RTL-1.

FIGURE 9 BBA-C BROADBAND AMP. CARD : ASSEMBLY



WAITON DX LABS - REV: 10 DEC 1990

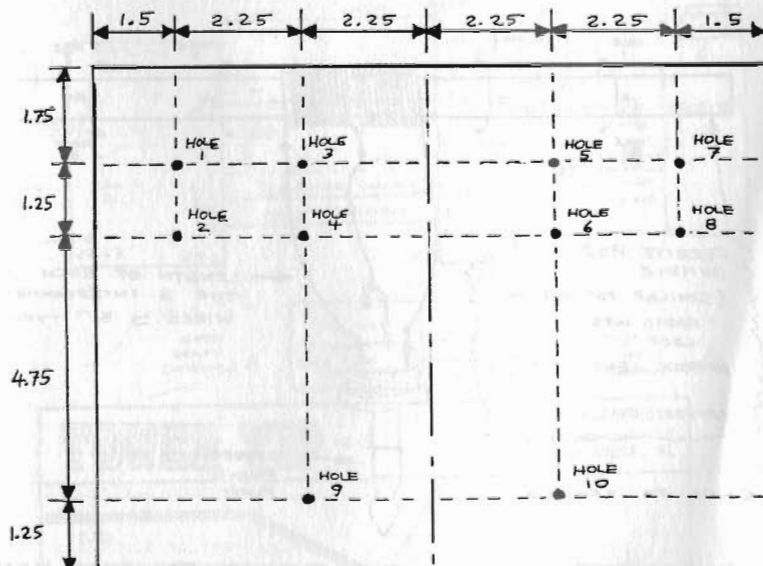
Table 8: (A1) BBA-C broadband amplifier card parts list  
See Table 2 for vendor codes.

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	BD	perfboard(1.4"X1.4")	RS	276-1396 (cut)	1
2	C1,C2,C5,C6	capacitor, 0.1 uF	RS	272-109	4
3	C3	capacitor, 10uF tant.	MOU	581-10M35	1
4	C4	capacitor, 0.001 uF	RS	272-126	1
5	H1,H2,H3,H4	screw, 4-40 X .25"	MOU	572-01880	4
6	H1,H2,H3,H4	spacer, 4-40 X .5"	MOU	534-1450C	4
7	H1,H2,H3	split lockwasher, #4	MOU	572-00649	3
8	H4	solder lug, #4	MOU	534-7311	1
9	P1-P7	flea-clip for .042 hole	MOU	574-T42-1/100	7
10	Q1	transistor, 2N3866	MOU	511-2N3866	1
11	R1,R5	resistor, 5.1 ohm	MOU	29SJ500-5.1	2
12	R2	resistor, 33 ohm	RS	271-007	1
13	R3	resistor, 100 ohm	RS	274-1311	1
14	R4	resistor, 2.7K	MOU	29SJ250-2.7K	1
15	RFC1	inductor, 3300 uH	MOU	43LH233	1
16	U1	voltage regulator, 7812	RS	276-1771	1
17	W	buss wire	RS	278-1341 approx.1'	

A Sample Loop Head Board

Figures 10 and 11 illustrate the construction of a sample Loop Head board assembly that can be mounted to the rear of the RTU-1 box. The assembly shown, which uses a 15" (0.38m) long / approx. 0.7" (0.018m) diameter cluster of ferrite rods, provides about 10 to 15 dB more gain than the comparable Palomar medium-wave head. Despite the increased gain, the fairly high Q of the loop tends to prevent spurious responses if the loop is tuned properly. Varactor diodes used to tune the head actually seem to be less of a factor in the total IMD picture than the Balanced Front-End (BFE-A) card. This sample Loop Head board is presented as a starting point for the experimenter. As noted earlier, a larger such board could accommodate an air-core loop of 1-ft. square or greater size. For a treatment of an air-core remotely-tuned loop (for shortwave use), see Joe Farley's excellent article "A Remotely Tuned Loop Antenna" in Fine Tuning's Proceedings 1989. NRC Reprint A30, "A Remotely Tuned Directional Loop Antenna" by E. L. Cummins, is also a worthwhile article.

FIGURE 10 LOOP HEAD MOUNTING BOARD  
MATERIAL = WOOD: 9" H X 12" W X 0.75" THICK  
EACH OF THE 10 HOLES IS 0.25" DIAMETER.



FRONT VIEW  
DIMENSIONS IN INCHES

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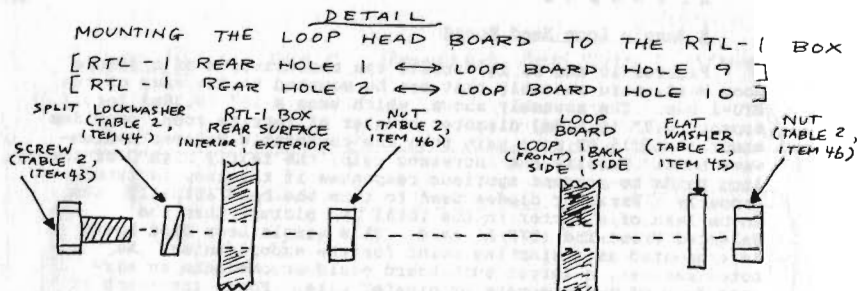
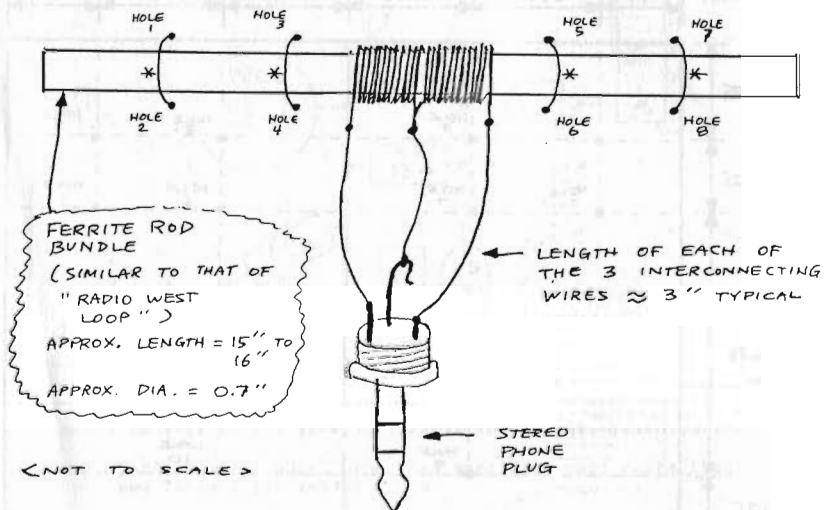


FIGURE 11 MW LOOP HEAD FOR RTL-1

COIL = 24 TURNS TOTAL (12 EACH SIDE OF CENTER TAP)  
 OF RADIO SHACK 278-1215 #22 INSULATED SOLID HOOK-UP WIRE  
 WRAP COIL WITH ELECTRICAL TAPE AFTER ASSEMBLY.



\* = ATTACH FERRITE ROD BUNDLE TO LOOP HEAD MOUNTING BOARD HOLES AS SHOWN. USE HEAVY-DUTY NYLON WIRE TIES OR USE TIES MADE FROM STRONG INSULATED, STRANDED WIRE.

### The Broadcaster's Guide to DX

A tri-fold guide for use with reception reports explaining DX'ing, how the NRC was formed, and the importance of QSL's to DX'ers. Versions also available in Spanish and French. US\$1.50 for 20. Available from NRC Publications.

### The Answer Man

Got a question about radio? Send it to NRC's Answer Man: Russ Edmunds - 753 Valley Rd. Blue Bell, PA 19422-2052. No question is a dumb question, and Russ will answer all, from basic to highly technical. Watch for the answer in DX News!

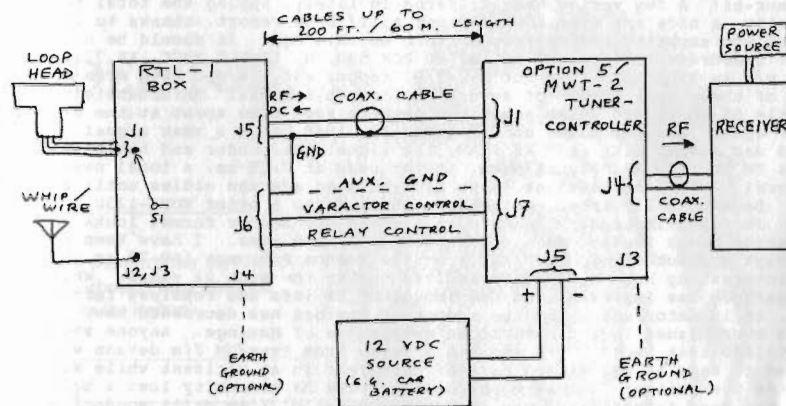
### Conclusion

The RTL-1 remote loop may perform well in situations where a loop situated at the normal operating position fails due to excessive electrical noise, blockage by walls or higher buildings, etc. RTL-1 can be phased against a remotely-tunable whip (e. g. MFJ 1024 / RTU-1) or against another RTL-1 loop to achieve good quality nulls in a restricted space such as on the roof of a vehicle or in a room not having noise and/or shielding problems. Previous null-creating methods either required rotating / tilting a loop or phasing two wires of considerable length. These previous methods are not always implementable because of space constraints or poor reception quality in the vicinity of a movable-by-hand loop.

The RTL-1, by virtue of its modularization, can serve as a platform for improvements. It is the author's intention that others will freely "tweak" the design and present their findings in the pages of the major DX journals.

FIGURE 12

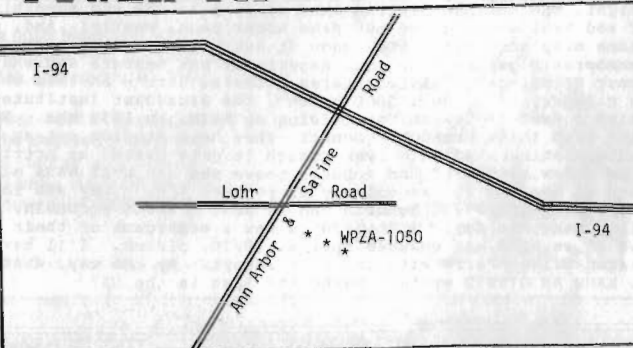
BLOCK DIAGRAM  
 DX'ING SYSTEM WITH RTL-1  
 REMOTELY-TUNED LOOP



### TOWER TIP

MI-5

WPZA-1050  
 5KW-D/0.5 KW pre-sunrise  
 ANN ARBOR, MI



WHAT TO LOOK FOR: Three equi-height guyed towers. At last viewing, the old "WPAG" sign was still visible from I-94.

CONTRIBUTED BY: Harold Frodge, Midland, MI

Send a rough sketch and a few words about a.m. towers in your area to John D. Bowker, 14 Canoe Brook Drive, Princeton Jct., NJ 08550.

# Musings

## of the Members

Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

**PETE CLARIUS - 1583 CASTLETON AVE. - STATEN ISLAND, NY 10302**

Hi Gang! I was very sorry that I had to miss 'Bridgeport '91' but I had no choice. I have been in one hospital 3 times and one time in another and have just ended my radiation treatments. My log is now up to 2112 heard with 1451 verified. My big radio problem now is splash-over from WFAN/WOR/WABC/WCBS/WNEW and the biggest pest of all, WQXR! John Malicky did a fantastic job of telling about the convention in our 'News', I had looked forward to being with him again as well as Kermit Geary, Ernie Cooper, John Bowker, Bruce Conti and Betty Lord among many others. With gods help, I will make the 'Tall Corn Convention' in addition to Alice & I hopefully getting over into Hastings, NE where my youngest son is part of the news staff at KHAS TV. I do very little actual DXing as I am a constant listener to the Coast-To-Coast-Radio-Network and that mostly on WWVA. (Good to hear from you again, Pete and that all is well! Please keep in touch with us?-DWS)

**KARL JETER - 2115 SCARBROUGH ROAD - STONE MOUNTAIN, GA 30088**

Greetings once again in this new DX season! One non-related DX comment before anything else - HOW 'BOUT THEM BRAVES!!! OK, now that I've got that off my chest, I hope my arm holds up after all those 'tomahawk chops' from this past summer-hi! A few veries have filtered in lately, upping the total to 1449. Finally, a nice v/1 from KGHT-880 for a 11/30/90 report, thanks to the several DXers who supplied address/signer info on this one. It should be noted that KGHT's address has changed again: PO BOX 580, N. LITTLE ROCK, AR 72114. Another v/1 in from KIRL-1460 for a 2/3/91 report and a v/ppc back from WFGN-1180. All of these as a result of several follow up reports. Unfortunately, 'verie' little DX to report (nice segue...) despite some time spent at the dials. But once again, quality makes up for quantity: 10/8 heard a weak signal on 840 u/WHAS and stayed with it. At 7 AM, the signal got louder and heard a nice KWPB AM & FM ID into AP network news. After news at 7:05 am, a local newscast w/ several West Point mentions, some farm related ads and oldies until about 7:22 am. Back on 9/25, after reviewing a tape, found a brief WONN-1230 ID at 9:32 pm. Just got Issue #1/v59 and must say the new header format looks great! The magazine keeps looking more professional all the time. I have been reading through a stack of old DX NEWS' from the Boston Pub. era (69-70 or so) and it is interesting how DX NEWS has evolved during the past 21 years. While the appearance has improved, and the amount of DX info has remained fairly constant, it is unfortunate how the number of Musings has decreased now. It seems that every issue in those days had many pages of Musings. Anyone who heard the WZAL-1540 test back in '89 and has a verie from Pres/GM Jim deVann will be saddened to know he was killed earlier this year in an accident while working on WZAL's transmitter, he was electrocuted. The DX community lost a broadcaster who was very friendly and pro-DX hobby. Finally, I am still wondering if anyone who heard the KLEY-1130 TEST last year who sent a report has ever gotten a verie? That's all for now, 73's

**DAVE SCHMIDT - PO BOX 11502 - WILMINGTON, DE 19850**

Karl is right, the Musings' column even as late as '88 was something to behold, ERC and Paul would grind out page after page, weekly! And, unlike some editor (name misplaced-hi!), they made it every week. It's a great way to let the membership get to know you, especially new members and what's going on with your DX doings. Baltimore area members, here's an item that falls under the category of a 'Real GOOD catch', the Broadcast Institute of Maryland is operating a Part 15 transmitter, IDing as WBIM, on 1330 khz. This is in association with their broadcast school, they have studios set-up to simulate actual radio station studios. Even though it gets chewed up pretty good by WASA within a few blocks of the school, those who can null WASA may have a good chance of hearing it, especially if you are E/W. They are located at 7200 Harford Road (21234). Reports can be sent to BRUCE McCUBBIN, I'm sure it would really make his day! WEEX-1230 is now a simulcast of their FM on 99.9 with legal ID as WODE, it changed approx. 10/10, oldies. I'll have a report from Scranton-Wilkes-Barre with the next report. By the way, WNAK-730 is still using the KAHN AM STEREO system, maybe the last in the US?

## Dave Schmidt

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